



PHIMS & IUID: Adding IUID Compliance to an Existing System

Program Manager

Naval Surface Warfare Center, Carderock
Division (NSWCCD), Philadelphia



NEXT



Project: PHIMS IUID Implementation

1

Challenge: Add IUID Capability to PHIMS (Project History Inventory Management System) used by NSWCCD kitting and staging facilities at Philadelphia, Norfolk, and San Diego.

Scope: Provide the ability for these facilities to use IUID marks to manage material, to mark legacy items, and to register items.

Result: These facilities function as central locations for “opportunistic marking” of IUID-eligible equipment that passes through before it is distributed to the fleet.

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NSWCCD Philadelphia

- Receives and stages material for both DON and Joint Service programs
- Material is assembled and shipped to alteration installation teams around the world
- PHIMS is the in-house Automated Inventory System used by the facilities to manage material:
 - Web-based warehouse management system
 - Ties together material and personnel across the three staging facilities
 - Material is tracked from entry to exit and at all points within the facilities
 - Intermec CK-61 handheld computers with integrated barcode scanners that scan both linear barcodes and 2D data matrix marks
 - Wireless technology ensures speed, accuracy and flexibility

As a major staging facility, NSWCCD needed the ability to mark and process IUID-marked items

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Implementing IUID

IUID capability was added to PHIMS in 2008 over a period of 6 months using existing Automatic Identification Technology (AIT) equipment and Quick Compliance Tool Suite (QCTS) Tools. The following capabilities were added to PHIMS:

- Ability to identify items by IUID mark and track items using UII
- Marking capability: items can be marked using either pre-printed or facility-generated labels
- Items locally marked are processed for registration via the QCTS registration process

QCTS Tools are modular and can be easily incorporated into many material and inventory management systems. They are Navy-owned and available at www.qcts.org.



Tracking Items With the UII

Phims 4

Organization: NSWCCD
User name: peritt
Current Alt: MA-XXXX
Current Site: PHL
Page Loaded: 02:17 PM 05/27/2008

to 0% of stock.
[View Label Status](#)
[Hide WH Status](#)

Build Kits
Put Away
Issue Kit
Issue Item
Issue Serial
Transfer Kit
Transfer Item
Transfer Serial
Status at 02:15 PM
Refresh Status

System ▾ Proj Man ▾ Warehouse ▾ Reports ▾ Admin ▾ Help ▾

Proj. Man.: Add Issue Task

Alt: MA-XXXX
NSN/Part Number: C/P/S (16331) 1 SDFGSDFGSDFG
Description: COMPUTER, 32-BIT PC AT
Site: PHL
Qty Owned: 1
UII: D55555P553

Qty to Issue:
Issue To:
Activity:
Comment:

Add **Catalog Details** **Cancel**

- ❑ IUID mark is scanned; item is tracked in database by UII



Marking Capability

Phims 4 System ▾ Proj Man ▾ Warehouse ▾ Reports ▾ Admin ▾ Help ▾

View Item Details

Organization: NSWCDD
User name: perrit
Current Alt: MA-XXXX
Current Site: PHL
Page Loaded: 02:25 PM 05/27/2008
[to 0% of stock.](#)
[View Label Status](#)
[Hide WH Status](#)

Build Kits
Put Away
Issue Kit
Issue Item
Issue Serial
Transfer Kit
Transfer Item
Transfer Serial
Status at 02:23 PM
Refresh Status

Cage	16331	Site	PHL
Manufacturer	LOCKEED MARTIN	Location	
Part Number	1	Site	RECEIVING
Serial Number	FGSDFGSDFG	Shelf	
Description	COMPUTER, 32-BIT PC AT	Quantity	1
Bar Code	SER-000006772		
Ull	D55555P556		

☐ Hazmat
☒ Serialized
☒ UID Required
☐ Shelf Life

Local Unit Cost \$ 5434.43
UI standard EA
UI multiplier 1
UI local EA
Condition Code None Set

Available **List Versions**

Site	Owned By	Quantity
PHL	MA-XXXX	1

Reserved for Issue or Site Transfer

Site	Owned By	Quantity

Reserved for Kits

Site	Owned By	Quantity

☐ Print Labels (PHL Receiving- Phims2)
☐ Print UID Labels (PHL Receiving- Phims2)

Receive This Item

Equivalent Items

Items **Sort By** ▾

[NSN 7020-01-532-5346](#)
[C/P \(16331\) 63A158097P1](#)
[C/P/S \(16331\) 1 DSEFGSDFGSDFGHAA](#)
[C/P/S \(16331\) 1 ASDFAASDFAAAAAAA](#)
[C/P/S \(16331\) 1 JOHNOJOHN](#)

Jump to page: **Go**

1 2 3 4 5 6 ... 12 Next

☐ Check box flags item to be marked by warehouse personnel

☐ Ability to generate IUID labels in-house

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Marking Capability (cont'd)

- PHIMS can use pre-printed labels; when marking, pre-printed label is scanned to associate with item

A screenshot of the PHIMS 4 web application interface. The top navigation bar includes tabs for System, Proj Man, Warehouse, Reports, Admin, and Help. The main content area is titled "Admin : Order Pre-Printed Labels" and contains a form with three input fields: "Type of Labels", "Size of Labels", and "Quantity to Reserve". Below these fields are three buttons: "Submit Order", "Reset", and "Close". On the left side of the interface, there is a sidebar with user information (Organization: NSWCCD, User name: permit, Current Alt: MA-XXXX, Current Site: PHIL, Page Loaded: 02:41 PM 05/27/2008) and a list of actions: "Build Kits", "Put Away", "Issue Kit", "Issue Item", "Issue Serial", "Transfer Kit", "Transfer Item", "Transfer Serial", and "Refresh Status". A red banner at the top of the sidebar reads "pre-ordered label" with a link "View Label Status". A black arrow points from the bottom right of the slide towards the "Submit Order" button in the form.

- PHIMS electronically generates label orders
- System tracks serial numbers and ensures no duplicates are ordered.



Registration Capability

- PHIMS generates output files of marked items for registration
- Non Registered UID report generates listing of items that are marked as UID Required but not registered

Phims 4
Organization: NSWCCD
User name: peritt
Current Alt: MA-XXXX
Current Site: PHL
Page Loaded: 02:29 PM 05/27/2008

[View Label Status](#)
[Hide WH Status](#)

Build Kits
Put Away
Issue Kit
Issue Item
Issue Serial
Transfer Kit
Transfer Item
Transfer Serial
Status at 02:27 PM
[Refresh Status](#)

System ▾ **Proj Man** ▾ **Warehouse** ▾ **Reports** ▾ **Admin** ▾ **Help** ▾

Reports : Non Registered UIDs

Show any UID where the ULI is required but is not yet registered.

Download Type:

[Download](#) [Close](#)

- Report can be in HTML or Excel format



PHIMS and IUID

Result:

- PHIMS now fully IUID capable
 - Receive items already IUID marked
 - Track items in PHIMS by UII
 - IUID mark previously unmarked legacy items
 - Perform IUID Registry lookup
 - 24/7 status reporting

Conclusion:

- QCTS tools were initially developed and tested on PHIMS
 - QCTS Tools are being successfully used in a working environment

POC: Program Manager
